

5350-016-006

Section VII - Precautions For Safe Handling and Use

Steps to be Taken In Case Material is Released or Spilled: Collect in sift-proof containers. Avoid generation of dust.

Waste Disposal Method: Dispose of in approved landfill in accordance with all local, state and federal regulations.

Precautions to be Taken in Handling and Storing: Avoid generation of dust.

Other Precautions: None

Section VIII - Personnel Protection Information

Eye Protection: Not needed.

Skin Protection: Gloves - rubber impregnated canvas - for abrasion protection. Normal work clothes, including long-sleeved shirt.

Respiratory Protection: Not needed.

Ventilation: Use local exhaust.

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Use good housekeeping and hygiene practices.

Section IX - Shipping Information

DOT Hazard Class: None

Proper Shipping Name: Cellular Glass

UN #: N. AV.

Section X - Preparation Information

Date of Revision: 2/1/00

5350-016-006

Section VI - Toxicological and First Aid Information

HYDROGEN SULFIDE

OSHA Permissible Exposure Level: See Section II.

Routes of Entry: Inhalation: Yes Skin: No Ingestion: Unlikely
 Eye Contact: Yes

Effects of Overexposure: Effects of overexposure to hydrogen sulfide gas when cells are broken without adequate ventilation:

Acute: Inhalation - headache, nausea, and difficult breathing, dizziness.

The sense of smell may be fatigued over time. The odor and irritating effects do not offer dependable warning to workers who maybe exposed to gradually increasing amounts and therefore become used to it.

Eyes - irritation and inflammation of the mucous membrane, tearing, sensitivity to light.

Chronic: Chronic poisoning results in headache, inflammation of the eyelids and the mucous membrane that lines the inner surface of the eyelids, digestive disturbances, weight loss and general weakness.

Medical Conditions Generally Aggravated by Exposure to Hydrogen sulfide: Pre-existing upper respiratory and lung diseases such as, but not limited to bronchitis, emphysema and asthma, pulmonary heart disease or eye problems.

GLASS PARTICLES

Routes of Entry: Inhalation: Yes Skin: No Ingestion: Yes
 Eye Contact: Yes

Effects of Exposure to Glass Particles:

Skin - irritation or abrasion from glass particles.

Ingestion - possible abrasion of mouth and throat from glass particles.

Other Toxicological Properties: None known

Emergency and First Aid Procedures:

Eyes: Flush with potable water for 15 minutes, do not rub or apply pressure. Consult physician or emergency medical service.

Skin: Wash thoroughly without pressure. If irritation persists or skin is broken, consult physician.

Inhalation: Remove victim to fresh air, apply artificial respiration if needed. Call poison center, physician or emergency medical service giving CAS names and numbers of gases.

Ingestion: Do not induce vomiting. Consult physician, emergency medical service or poison center.

-Physical State at 77°F (25°C):	Solid	-Freezing Point:	N. AP.
-Boiling Point:	N. AP.	-Melting Point:	1350°F (732°C)
-Vapor Pressure (mm of mercury):	N. AP.	-Specific Gravity (water = 1):	0.11-0.14
-Vapor Density (Air = 1):	N. AP.	-Percent Volatile (by volume):	N. AP.
-Solubility in Water:	Insoluble	-Evaporation Rate (butyl acetate = 1):	N. AP.
-Appearance and Odor:	Black cellular material, no odor unless cut or crushed	-Evaporation Rate (ethyl ether = 1):	N. AP.
-Odor Threshold:	0.002 ppm	-pH:	N. AP.
-Coefficient of Water/Oil Distribution:	N. AP.		

Flash Point: N. AP. Flammable Limits: LEL: N. AP. UEL: N. AP.
(percent by volume)

Auto Ignition Temperature: N. AP. Extinguishing Media: Water, dry chemical or carbon dioxide

Special Fire Fighting Procedures: N. AP.

May release hydrogen sulfide and carbon monoxide gas when involved in a fire. The small amounts of hydrogen sulfide and carbon monoxide released are not expected to contribute to the intensity of a fire.

Hazardous Combustion Products: N. AP.

Explosion Data: Sensitivity to mechanical impact: N. AP.
Sensitivity to static discharge: N. AP.

Stability: Stable Conditions to Avoid: N. AP.

Incompatibility (materials to avoid): N. AP.

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur Conditions to Avoid: N. AP.

5350-016-006

Material Safety Data Sheet

Section I - Product Identification

Manufacturer/Supplier:

Royal Paper Products, Inc
PO Box 151
Coatesville, Pa 19320

Information Number:

610-384-3400 Tel
610-384-5106 Fax

Product Name: GRILL-BRICK™

Generic Name: Cellular Glass

CAS Number: N. AP.

CAS Name: N. AP.

NFPA HAZARD CLASS: Health: 0 Fire: 0 Reactivity: 0

WHMIS CLASSIFICATION: CLASS D Division 2B

Use: Grill Cleaner

Section II - Hazardous Ingredients

Ingredient	CAS Number	% by Vol.	ACGIH* TLV	OSHA** PEL	OSHA** STEL	OSHA** CEILING	NTP*** LARC OSHA Reg.
Hydrogen Sulfide	7783-06-4	0.3-0.7	10 ppm	10 ppm TWA	15 ppm	N. AV.	No
Carbonyl Sulfide	463-58-1	<0.1	N. AV.	N. AV.	N. AV.	N. AV.	No
Carbon Monoxide	630-08-0	30-48	25 ppm	35 ppm TWA	N. AV.	200 ppm	No
Carbon Dioxide	124-38-9	35-51	5,000 ppm	10,000 ppm TWA	30,000 ppm	N. AV.	No
Hydrogen	1333-74-0	11-15	N. AV.	N. AV.	N. AV.	N. AV.	No
Glass Dust (PNOC)	N. AP.	Varies	10 mg/m ³	15 mg/m ³ 5 mg/m ³ (respirable)	N. AV.	N. AV.	No

Comment: N. AV. - Not Available
N. AP. - Not Applicable
PNOC - Particulates Not Otherwise Classified

* American Conference of Governmental Industrial Hygienists.
** OSHA 29 CFR 1910.1000
*** Dangerous Properties of Industrial Materials, 9th Ed. by Sax/Lewis.
See Section VI - Toxicological and First Aid Information of this MSDS.